


```

LL                      IIIIII                      SSSSSSSS
LL                      IIIIII                      SSSSSSSS
LL                      II                      SS
LL                      II                      SS
LL                      II                      SS
LL                      II                      SS
LL                      II                      SSSSSS
LL                      II                      SSSSSS
LL                      II                      SS
LL                      II                      SS
LL                      II                      SS
LL                      II                      SS
LLLLLLLLLLLLLL          IIIIII                      SSSSSSSS
LLLLLLLLLLLLLL          IIIIII                      SSSSSSSS

```

.....

```
1 0001 0 MODULE LIB$DEC_OVER (%TITLE'Enable/disable decimal overflow traps'
2 0002 0 IDENT = '1-002' ! file: LIBDECOVE.B32 Edit: SBL1002
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY: Utility Library
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 LIB$DEC_OVER enables or disables decimal overflow
37 0037 1 for the calling procedure activation. The previous setting
38 0038 1 of the enable is returned as a value.
39 0039 1
40 0040 1 ENVIRONMENT: User mode, re-entrant, AST level or not or mixed.
41 0041 1
42 0042 1 AUTHOR: Thomas N. Hastings CREATION DATE: 8-Oct-77
43 0043 1
44 0044 1 MODIFIED BY:
45 0045 1
46 0046 1 Thomas N. Hastings, 8-Oct-77: VERSION 0
47 0047 1 01 - original
48 0048 1 0-2 - REQUIRE LPSECT. TNH 19-Dec-77
49 0049 1 0-03 - Change to STARLET library. DGP 20-Apr-78
50 0050 1 0-04 - Change proper stack frame. TNH 21-Apr-78
51 0051 1 0-05 - Change REQUIRE files for VAX system build. DGP 28-Apr-78
52 0052 1 0-06 - Change STARLET to RTLSTARLE to avoid conflicts. DGP 1-May-78
53 0053 1 0-07 - Change file name to LIBDECOVE.B32, and change the name of
54 0054 1 the REQUIRE file similarly. JBS 14-NOV-78
55 0055 1 1-001 - Update version number and copyright notice. JBS 16-NOV-78
56 0056 1 1-002 - Use prologue file. SBL 24-June-1983
57 0057 1 --
```


LIB\$DEC_OVER
1-002

Enable/disable decimal overflow traps

: 58

0058 1

E 14
16-Sep-1984 00:48:08
14-Sep-1984 12:38:38

VAX-11 Bliss-32 V4.0-742
[LIBRTL.SRC]LIBDECOVE.B32;1

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LI
1-

LIB\$DEC_OVER
1-002

Enable/disable decimal overflow traps

F 14
16-Sep-1984 00:48:08
14-Sep-1984 12:38:38

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[LIBRTL.SRC]LIBDEC0VE.B32;1

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```

60      0059 1 !
61      0060 1 ! PROLOGUE FILE:
62      0061 1 !
63      0062 1 !
64      0063 1 REQUIRE 'RTLIN:LIBPROLOG';      ! LIB$ definitions
65      0134 1 !
66      0135 1 !
67      0136 1 ! TABLE OF CONTENTS:
68      0137 1 !
69      0138 1 !
70      0139 1 FORWARD ROUTINE
71      0140 1 !
72      0141 1 LIB$DEC_OVER;      ! Enable/disable decimal overflow
73      0142 1 !
74      0143 1 !
75      0144 1 ! MACROS:
76      0145 1 !
77      0146 1 !
78      0147 1 !
79      0148 1 ! EQUATED SYMBOLS:
80      0149 1 !
81      0150 1 !
82      0151 1 !
83      0152 1 ! OWN STORAGE:
84      0153 1 !
85      0154 1 !
86      0155 1 !
87      0156 1 ! EXTERNAL REFERENCES:
88      0157 1 !
89      0158 1 !
```

```

91 0159 1 GLOBAL ROUTINE LIB$DEC_OVER ( ! Enable/disable decimal overflow
92 0160 1 NEW_SETTING) ! Adr. of longword containing new setting
93 0161 1 = ! Value is old setting
94 0162 1
95 0163 1
96 0164 1 ++
97 0165 1 FUNCTIONAL DESCRIPTION:
98 0166 1 LIB$DEC_OVER enables or disables decimal overflow
99 0167 1 for the calling procedure activation. The previous setting
100 0168 1 of the enable is returned as a value.
101 0169 1
102 0170 1 FORMAL PARAMETERS:
103 0171 1
104 0172 1 new_setting.rlu.r Adr. of longword containing new enable setting.
105 0173 1 Bit 0 = 1 is enable, bit 0 = 0 is disable.
106 0174 1
107 0175 1 IMPLICIT INPUTS:
108 0176 1
109 0177 1 NONE
110 0178 1
111 0179 1 IMPLICIT OUTPUTS:
112 0180 1
113 0181 1 NONE
114 0182 1
115 0183 1 ROUTINE VALUE:
116 0184 1
117 0185 1 OLD_SETTING.wlu.v previous contents of SRMSW_PSW[PSW$V_DV]
118 0186 1 in the callers frame.
119 0187 1
120 0188 1 COMPLETION CODES:
121 0189 1
122 0190 1 NONE
123 0191 1
124 0192 1 SIDE EFFECTS:
125 0193 1
126 0194 1 The callers stack frame will be modified.
127 0195 1
128 0196 1 --
129 0197 1
130 0198 2 BEGIN
131 0199 2
132 0200 2 LOCAL
133 0201 2 OLD_SETTING; ! store the old SETTING of decimal overflow enable
134 0202 2 BUILTIN
135 0203 2 FP;
136 0204 2 MAP
137 0205 2 NEW_SETTING: REF VECTOR[1, LONG], ! Scalar call-by-reference
138 0206 2 FP: REF BLOCK[BYTE];
139 0207 2 OLD_SETTING = .FP[SF$V_DV];
140 0208 2 FP[SF$V_DV] = .NEW_SETTING[0];
141 0209 2 RETURN OLD_SETTING;
142 0210 1 END; !End of LIB$DEC_OVER
```

```
.TITLE LIB$DEC_OVER Enable/disable decimal overflow tr
                                aps
.IDENT \1-002\
```

LIB\$DEC_OVER
1-002

Enable/disable decimal overflow traps

H 14
16-Sep-1984 00:48:08
14-Sep-1984 12:38:38

VAX-11 Bliss-32 V4.0-742
[LIBRTL.SRC]LIBDECOVE.B32;1

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							0000 00000
04	50	04	AE	01	07	EF	00002
	AE		01	07	04	BC	F0 00008
							04 0000F

.PSECT _LIB\$CODE,NOWRT, SHR, PIC,2

.ENTRY LIB\$DEC_OVER, Save nothing
EXTZV #7, #1, 4(FP), OLD_SETTING
INSV @NEW_SETTING, #7, #1, 4(FP)
RET

: 0159
: 0207
: 0208
: 0210

: Routine Size: 16 bytes, Routine Base: _LIB\$CODE + 0000

LIB\$DEC_OVER
1-002

Enable/disable decimal overflow traps

I 14
16-Sep-1984 00:48:08
14-Sep-1984 12:38:38

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[LIBRTL.SRC]LIBDECOVE.B32;1

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: 144
: 145
0211 1 END
0212 0 ELUDOM

!End of module

PSECT SUMMARY

Name Bytes Attributes
_LIB\$CODE 16 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	1	0	581	00:00.7
_\$255\$DUA28:[LIBRTL.OBJ]RTL.LIB.L32;1	36	0	0	8	00:00.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:LIBDECOVE/OBJ=OBJ\$:LIBDECOVE MSRC\$:LIBDECOVE/UPDATE=(ENH\$:LIBDECOVE)

: Size: 16 code + 0 data bytes
: Run Time: 00:02.1
: Elapsed Time: 00:13.6
: Lines/CPU Min: 6144
: Lexemes/CPU-Min: 9913
: Memory Used: 30 pages
: Compilation Complete

0205 AH-BT13A-SE
VAX/VMS V4.0

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LIS

LIBDECOFF
LIS

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LIS

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